

State Water Resources Control Board

UST CASE CLOSURE SUMMARY

Agency Information

Agency Name: Los Angeles Regional Water Quality Control Board (Regional Water Board)	Address: 320 West 4 th Street, Suite 200 Los Angeles, CA 90013
Agency Caseworker: Noman Chowdhury	Case No.: R-38261

Case Information

USTCF Claim Nos.: Not applicable	Global ID: T0603704889
Site Name: ConocoPhillips Company #254000	Site Address: 2551 West Main Street Alhambra, CA 91801 (Site)
Responsible Party: ConocoPhillips Company Attention: Holly Quasem	Address: 3900 Kilroy Airport Way, Suite #210 Long Beach, CA 90806
USTCF Expenditures to Date: Not applicable	Number of Years Case Open: 14

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704889

Summary

The Low-Threat Underground Storage Tank Case Closure Policy (Policy) contains general and media-specific criteria, and cases that meet those criteria are appropriate for closure pursuant to the Low-Threat Policy. This Case meets all of the required criteria of the Policy.

The Site was formally 76 Station No. 4000; currently the Site is a parking lot with a Walgreens facility located on the eastern portion. Petroleum releases were discovered at the Site in a 1994 Site investigation and during a 1998 facility upgrade. In January and February 2004, two underground storage tanks (UST), dispenser islands, and associated piping were removed. Additionally, approximately 128 tons of impacted soil was excavated and processed for disposal. Remediation at the Site includes UST basin over excavation discussed above and soil vapor extraction (SVE) and air sparge (AS) pilot test in February 2010. The SVE/AS pilot test removed approximately 207 pounds of hydrocarbons.

Residual petroleum hydrocarbons exist in soil between 15 and 40 feet below ground surface (bgs) and in groundwater encountered between 55 and 65 feet bgs. Groundwater concentrations are stable to decreasing, and the plume boundary is not expanding in areal extent. The nearest public supply, operated by City of South Pasadena, is located approximately 5,800 feet east (generally downgradient) of the Site. The closest surface water is an unnamed lake located approximately 18,000 feet to the southeast.

The Site is located above the San Gabriel Valley Groundwater Basin. This groundwater basin is adjudicated and managed by the Main San Gabriel Basin Watermaster. The Los Angeles Regional Water Quality Control Board's Water Quality Control Plan identifies beneficial uses for this groundwater basin as: municipal and domestic supply, agriculture supply, industrial service supply, and industrial process supply. Additionally, this groundwater basin is a high use basin and listed as

Conocophillips Company No. 254000
2551 West Main Street, Alhambra

“Hydrogeologically Vulnerable” per State Water Resources Control Board’s response to Executive Order D-5-99. The affected groundwater is not currently being used as a source of drinking water or for any other designated beneficial use, and it is highly unlikely that the affected groundwater will be used as a source of drinking water or for any other beneficial use in the foreseeable future. Public supply wells are usually constructed with competent sanitary seals and intake screens that are in deeper more protected aquifers. Remaining petroleum constituents are limited, stable and declining. Remedial actions have been implemented and further remediation would be ineffective and expensive. Additional assessment/monitoring will not likely change the conceptual model. Any remaining petroleum constituents do not pose significant risk to human health, safety or the environment.

Rationale for Closure under the Policy

- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.
- Groundwater Media-Specific Criteria – Site meets the criterion in **CLASS 5**. The State Water Board determines the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame. The Site would have met Class 2 of the Policy; however, MTBE in groundwater exceeds 1,000 micrograms per liter (µg/L).
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets the **CRITERIA (2) b**.
- Direct Contact and Outdoor Air Exposure Criteria – Site meets **CRITERIA (3) a**. Maximum concentrations of petroleum constituents in soil from confirmation samples in 2003 and later are less than or equal to those listed in Table 1 for commercial/industrial thresholds. The estimated naphthalene concentrations in soil meet the thresholds in Table 1 and the Policy criteria for direct contact by a factor of eight. It is highly unlikely that naphthalene concentrations in the soil, if any, exceed the threshold.

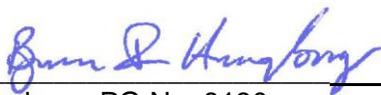
Recommendation for Closure

The corrective action performed at this Site ensures the protection of human health, safety, the environment and is consistent with Chapter 6.7 of the Health and Safety Code and implementing regulations, applicable state policies for water quality control and the applicable water quality control plan, and case closure is recommended.

Prepared By: 
Steve McMasters, PG No. 8054
Engineering Geologist

10/2/13

Date

Reviewed By: 
Benjamin Heningburg, PG No. 8130
Senior Engineering Geologist

10/2/13

Date